

# SD Program of Study

## Production Pathway

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as postsecondary entrance requirements.

	GRADE	English	Math	Science	Social Studies/ Sciences	SD Required Electives	Career & Technical Education Courses	SAMPLE Career Options Relating to This Pathway
Personal Learning Plan (PLP) initiated for all students, career and academic advisement and appropriate assessments.								
SECONDARY	9	* English I (01001)	* Algebra I (02052)	* Physical Science (03159)	* World History-Overview (04051) * World Geography (04001)	* PE/Health * Fine Art Elective	Exploring Technology Education (#?)  Technical Drafting (21106) or Intro to Manufacturing (13002)	<ul style="list-style-type: none"> <li>► Assembler</li> <li>► Automated Manufacturing Technician</li> <li>► Calibration Technician</li> <li>► Electrical Installer and Repairer</li> <li>► Electromechanical Equipment Assembler</li> <li>► Extruding and Drawing Machine Setter/Set-Up Operator</li> <li>► Foundry Worker</li> <li>► Grinding, Lapping, and Buffing Machine Operator</li> <li>► Hand Packer and Packager</li> <li>► Hoist and Winch Operator</li> <li>► Instrument Maker</li> <li>► Large Printing Press Machine Setter and Set-Up Operator</li> <li>► Machine Operator</li> <li>► Medical Appliance Maker</li> <li>► Micro and Nano Fabrication Technicians</li> <li>► Milling Machine Setter and Set-Up Operator</li> <li>► Millwright</li> <li>► Pattern and Model Maker</li> <li>► Precision Layout Worker</li> <li>► Sheet Metal Worker</li> <li>► Solderer and Brazier</li> <li>► Tool and Die Maker</li> <li>► Welder</li> </ul>
	10	*English/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051)		1 unit total - any combination of: * World Language or	Electronics (17106)  Machine Tool (13203)	
	11	*English/Comp III (01102) *American Literature (01054)	* Algebra II (02056)	* Chemistry (031010)	* American History-Comprehensive (04101)	* Capstone Service Learning or Approved Career & Technical Education	Welding Technology (13207)  Mechatronics/Robotics (21009), CAD (21107)	
	12	* English IV (01004)	Trigonometry (02103) or Calculus (02121)	College Science Elective	* U.S. Government-Comprehensive (04151) * Psychology (04254)	* Personal Finance (22210) or *Economics (04201)	Entrepreneurship (12053)  * Youth Internship (80018) * Senior Experience (80019)	
POSTSECONDARY	Year 13	Written and Oral Communications	College Level Math	Natural Sciences	Social Studies/ Sciences	Computer Literacy		
	Year 14	Written Communications	Information Literacy			Wellness for Life Arts & Humanities		
	Year 15							
	Year 16							
CAREER CLUSTER CERTIFICATES	Certified Welder (AWS) OSHA 10 Hour Safety Certification—Construction Industry OSHA 10 Hour Safety Certification—General Industry							

Orange Text - College Level - Dual Credit

\* Classes available through Virtual School

<sup>2</sup> Recommended academic